Ham-Digital Digest   Sun, 10 Oct 93   Volume 93 : Issue   69

Today's Topics:
                            (none)
                Anyone using HP95LX for packet? (2 msgs)
                     AX.25 protocol with Linux?
                      Cordless phone Band????
                      Dataengine Mod Wanted
               HAPN packet, what is it? (a REAL answer)?
                        Need FT-311rm manual
                     Packet to internet gatewa
                           Parts search
                     Public Apology (2 msgs)
                      Public apology message
                    Talking modem comm. program?

Date: 10 Oct 93 01:49:07 GMT
From: news-mail-gateway@ucsd.edu
Subject: (none)
To: ham-digital@ucsd.edu

HELP
INFO
SUBSCRIBE HAM-DIGITAL Martin Pechanec

Date: Sat, 9 Oct 1993 00:28:37 GMT
From: csus.edu!netcom.com!fmitch@decwrl.dec.com
Subject: Anyone using HP95LX for packet?
To: ham-digital@ucsd.edu

Tim Russell (russell@spdcc.com) wrote:

:   I recently acquired an HP95LX palmtop PC, and I'm hoping to turn it, along
: with my HT and a mini TNC, into an extremely portable packet station. Is any-
: one else using this great little PC for packet? I'd be interested in hearing
: from you, either here on via email. Any hints would be appreciated.

: --
:   Tim Russell   russell@spdcc.com

hi tim... i think i remember seeing a version of nos for the hp95 on
ucsd.edu under the /hamradio/packet subdirectory... u might look there...

--
fmitch@netcom.com
Felton Mitchell, WA4OSR in Mobile, Alabama USA
co-sysop for W4IAX bbs running fbb ... sysop for WA4OSR DXCluster in Mobile..

Date: 8 Oct 93 14:00:47 GMT
From: world!iecc!spdcc!russell@decwrl.dec.com
Subject: Anyone using HP95LX for packet?
To: ham-digital@ucsd.edu

    I recently acquired an HP95LX palmtop PC, and I'm hoping to turn it, along
with my HT and a mini TNC, into an extremely portable packet station. Is any-
one else using this great little PC for packet? I'd be interested in hearing
from you, either here on via email. Any hints would be appreciated.

--
   Tim Russell   russell@spdcc.com
Most people would rather have comfort than freedom. The paradox is that you
can't really have the former, in the long term, unless you have the latter.
                                                    -- Amanda Walker

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Date: Sun, 10 Oct 1993 07:46:39 GMT
From: munnari.oz.au!metro!extro.ucc.su.OZ.AU!terryd@network.ucsd.edu
Subject: AX.25 protocol with Linux?
To: ham-digital@ucsd.edu

riku@juha.fi (Riku Kalinen) writes:

>Does there exist any support for AX.25 packet radio protocol in Linux?

>(Linux is freely-available x86 (x >= 3) *nix - lookalike.)

>Is this support in the form of add-on or what?

>If there is support for AX.25, what is the needed hardware?

Hello Riku,
If you can wait just a short while, the in-kernel ax.25 code
should be ready.

All you will need is a tnc capable of kiss operation initially.

Terry

--
--- Terry Dawson, terryd@extro.ucc.su.oz.au

Date: 6 Oct 93 03:31:00 GMT
From: world!mv!leotech!uucp@decwrl.dec.com
Subject: Cordless phone Band????
To: ham-digital@ucsd.edu

Does anyone know the frequency range that the new 900 MHZ
cordless phones use???

Please write me direct on Internet at:

mitchell@leotech.mv.com

Thanks!!!!

Scott
=====

... Purring: Sound of a cat manufacturing cuteness.
___ Blue Wave/QWK v2.11

 * Origin: NETIS Public Access Internet (603)432-2517 (1:132/189)

Date: Sat, 9 Oct 93 12:46:00 -0400
From: sdd.hp.com!math.ohio-state.edu!uunet.ca!portnoy!canrem.com!
steve.jones@network.ucsd.edu
Subject: Dataengine Mod Wanted
To: ham-digital@ucsd.edu

Can anyone E-mail me the mod that allows the Dataengine to do 19k2 with an
open squelch without generating a mess of interrupts? I seem to recall
this would also fix the garbage calls in the mheard list. We're running
some Dataengines at 19k2 and notice alot of CRC errors. We assume that this
is due to the Dataengine 'falsing' on the open squelch noise.
Thanks in advance,

Steve Jones <steve.jones@canrem.com>

-----BEGIN PGP PUBLIC KEY BLOCK-----
Version: 2.3a

mQA9AiyznJYAAAEBgLo58lXwene0xZytrUzarHz0d6AUPmaWnI0udeHtwZlTvKlq
ZVTimEYShF10BcGHzQAFEbQkU3RldmUgSm9uZXMgPHN0ZXZlLmpvbmVzQGNhbnJl
bS5jb20+
=nIy/
-----END PGP PUBLIC KEY BLOCK-----

 * Q-Blue v0.7 [NR] *

Date: Sun, 10 Oct 1993 05:19:19 GMT
From: pa.dec.com!nntpd2.cxo.dec.com!nntpd.lkg.dec.com!usenet@decwrl.dec.com
Subject: HAPN packet, what is it? (a REAL answer)?
To: ham-digital@ucsd.edu

In article <N4HY.93Sep21101330@wahoo.ccr-p.ida.org> n4hy@wahoo.ccr-p.ida.org (Bob
McGwier) writes:
>...You have encoded two symbol's (zero's and one's) using three symbols.
>Thus you are able to transmit the same information in a more tightly
>controlled spectrum. This is the controlled and planned use of intersymbol
>inteference. The reason the HAPN board does not work well is that it
>is a grossly suboptimal implementation of something that really needs DSP to
>work well. There is a variant of this scheme where
>
>b2 = a2 - a0,
>b3 = a3 - a1,
>b4 = a4 - a2,
>

>where now the `delta encoding' is on every other symbol. This is call
>modified duobinary. This even better spectral properties in that it has the
>same zero in its spectrum that regular duobinary has but it also has no D.C.
>component. Now this would work really well through the audio jack of an FM
>radio. I think we could get 9600 through a mike jack if we use this scheme
>and a Viterbi decoder. With no audio circuit filter degradation, this would
>approach the performance of PSK using an approximate maximum likelihood symbol
>timing algorithm and the VIterbi decoder. I was working on this before I got
>the heave ho from AEA. Too bad for you and them.

I wonder if it's declasse' to reply to such an old note but anyway...
A few years ago, I started a project to build a different 4800 bps modem,
using inverted Alternate Mark Inversion, the form of duobinary used on T1
telephone wires. I never got it done because it needed a clock recovery
circuit and that was too much for a little Continental Specialties push-in
breadboard.

The HAPN article in Ham Radio magazine was pretty fuzzy on the details of
its modulation, though it was obviously duobinary. Where T1 differs from
some others is that it uses Return to Zero. Thus each pulse (1 or -1 if the
signal is Mark, whichever the last Mark wasn't) is only half a baud long.
THis makes the signal a closer fit to a sine wave (the -1 to +1 transition
has time to go through 0) and lowers the bandwidth requirement. I am no
great theoretician but it strikes me that this would work on radio too.

Bob (or anyone else), is there an obvious flaw in this scheme? AMI seems
so easy to do, compared to so many other schemes out there, and -- at least
if you apply standard "B8ZS" or "HDB3" run length limited zero substitution --
it should be pretty easy to fit into the audio spectrum of an unmodified
FM radio. Comments?
___
Fred R. Goldstein k1io   goldstein@carafe.tay2.dec.com
Opinions are mine alone; sharing requires permission

Date: 6 Oct 93 03:23:00 GMT
From: world!mv!leotech!uucp@decwrl.dec.com
Subject: Need FT-311rm manual
To: ham-digital@ucsd.edu

Does anyone have a manual for a Yaesu FT-311rm 220 rig?

I would very much like to get a copy

Please write me direct at:

mitchell@leotech.mv.com

Thankyou!!!!!

Scott WA1MYQ

... Boldly going forward
___ Blue Wave/QWK v2.11

 * Origin: NETIS Public Access Internet (603)432-2517 (1:132/189)

Date: 6 Oct 93 03:28:00 GMT
From: world!mv!leotech!uucp@decwrl.dec.com
Subject: Packet to internet gatewa
To: ham-digital@ucsd.edu

Does anyone know of an Internet to packet gateway I could use?

If you do would you please send me any information you may have
on how to use it and it's address.

Write me on Internet direct at

mitchell@leotech.mv.com

Thankyou!!!

Scott WA1MYQ
===========

... Purring: Sound of a cat manufacturing cuteness.
___ Blue Wave/QWK v2.11

 * Origin: NETIS Public Access Internet (603)432-2517 (1:132/189)

Date: Sun, 10 Oct 1993 04:02:37 GMT
From: swrinde!cs.utexas.edu!wupost!csus.edu!netcom.com!netcom!
faunt@network.ucsd.edu
Subject: Parts search
To: ham-digital@ucsd.edu

I've got a cable that's made up of the two plugs, fixed the correct

distance apart, and held there by a paper spacer and RTV, the whole
thing covered by heatshrink. It looks good, and was pretty easily
assembled. It was inspired by the one that came with my PacComm
Handipacket.
73, doug

Date: Fri, 8 Oct 1993 13:12:58 GMT
From: scifi!hawnews.watson.ibm.com!news@uunet.uu.net
Subject: Public Apology
To: ham-digital@ucsd.edu

What follows is the text of the Apology and the message that
triggered it. The message is a hoot. I moved the SMTP headers
to the bottom of the note for viewing. The rest of the note is
'as is'.

----- Forwarded message -----

From: N7XBM@N7WVZ.#NENEV.NV.USA.NA
To : ALL@ALLUSA

RANDY,

AS PER YOUR REQUEST, HERE IS A PUBLIC APOLOGY FOR HAVING KILLED YOUR
MESSAGE REQUESTING CELULAR MODIFICATIONS FOR A SCANNER.
SO THAT THE REST OF THE AMATEUR PUBLIC UNDERSTAND WHAT THIS APOLOGY IS
ALL ABOUT, I INCLUDE YOUR LAST MESSAGE AT THE END OF THIS MESSAGE.

I AM SORRY THAT I KILLED YOUR MESSAGE. I RESPONDED TO YOUR SYSOP, SAYING
THAT I PROBABLY OVER REACTED DUE TO A MISSUNDERSTANDING (AND MISSINFORMATION)
OF THE NEW LAW THAT AFFECTED SCANNERS AND THEIR ABILITY TO PICK UP CELLULAR
CONVERSATIONS. I AM ALSO SORRY THAT YOU HAVE CONSIDERED THIS TO BE SUCH
A PROBLEM. IF IT HELPS ANY, YOU CAN SEND ANOTHER MESSAGE AND I WILL
SEE TO IT THAT IT IS FORWARDED TO THE 2 BBS'S THAT MISSED IT THE FIRST TIME,
AS WELL I WILL MAKE SURE THAT IT IS POSTED ON THE N7WVZ BBS FOR A PERIOD
NO LESS THAN 2 WEEKS SO THAT 30 OR SO LOCAL MEMBERS WILL HAVE PLENTY OF
OPPORTUNITY TO VIEW IT. THIS SHOULD MORE THAN MAKE UP FOR ANY DAMMAGES
THAT YOU INCURRED AS A RESULT OF MY MISTAKE.

SHAWN N7XBM (PLEASE GET THE CALL RIGHT WHEN YOU GO FOR MY LICENSE, I WOULD
HATE TO HAVE YOU HURT AN INNOCENT PARTY BECAUSE OF MY ACTIONS(>
COSYSOP @ N7WVZ.#NENEV.NV.USA.NA

_____THE FOLLOWING WAS ORIGIONATED BY KF8TV @ W8HFF_____
_____AND IS INCLUDED FOR THE PURPOSE OF UNDERSTANDING THE ABOVE.

>>> CELLULAR FREQS <<<
Greetings Shawn,

I'm really sorry you killed my cellular phone message. You yourself are in
serious violation of the law by killing my message if you operate a PBBS (
PUBLIC BBS -- with the accentuation on the word PUBLIC!). I am, at this very
moment, consulting with my attorney about ways to prosecute you. Even IF i
DON't win, which I'm pretty sure I will, you will face the inconvenience of
having to come to Ohio to be present in court. But, please remember, you did
this to yourself! And, I will have the last word -- of that you can be
assured! My attorney is even hopeful that he and I will both be handsomely
financially compensated for your ill deed. Dumb mistake!

Docket 93-1, the prohibition against cellular-capable scanners, went into
effect on April 26 of this year. Scanners that are cellular-capable are not
allowed to be manufactured in this country or imported. That is the law.

Can new scanners, which have cellular capabilities, still in a manufacturer's
or dealer's inventory continue to be sold? Yes! Indefinitely! Is it lawful
to distribute cellular-restoration information for scanners which have that
freq blocked? Yes! Is it lawful to distribute cellular-restoration
information? Yes! Check the law and you will find that YOU ARE WRONG!

ONGRESS HAS NO POWER TO RESTRICT DISSEMINATION OF NON-secret information. Is
it lawful to modify a scanner to receive cellular? Yes again! Congress has
directed the FCC to refuse type acceptance of cellular-capable scabbers, but
again, neither has the power to restrict a person from modifying one's own
property.

You, my friend, have made a grave error. You stand to lose considerably. If
possible, I intend to have your liscense over this issue. If you think I'm
just blowing steam, please think about how long it has taken me to reply to
your message -- obviously a lot of thought and work has gone into the project.
  You, sir, will be off the air FOREVER! Now, how do you feel? Do you want
to delete any more of my messages? Your liscense is mine!

Now, if you are willing to immediately post a PUBLIC BULLETIN offering a full
apology, then I may consider dropping the entire issue. But if such is not
seen around the country soon, then your name WILL appear in QST as another
loser, and you WILL lose your license, and you WILL pay a stiff fine. Go
ahead, don't take me seriously. Go ahead, MAKE MY DAY!

Don't mess around unless you know what you're doing! Welcome to the wonderful
world of CB!

Regards,
Randy KF8TV @ W8HHF
[via HF AMTOR]

----- End of forwarded message -----

73's de Jack - kf5mg   (running JNOS in a 735K - OS/2 2.1 Dos Box!)
Internet   - kf5mg@kf5mg.ampr.org   - 44.28.0.14
AX25net   - kf5mg@kf5mg.#dfw.tx.usa.noam   - home (817) 488-4386
Worknet   - kf5mg@vnet.ibm.com   - work (817) 962-4409

| "I am Homer of Borg.... Prepare to be assim.... oooo Donuts." |

------------------- Start of SMTP HEADERS ----------------------------

Received: from dfwgate.ampr.org by vnet.IBM.COM (IBM VM SMTP V2R2) with TCP;
   Fri, 08 Oct 93 08:48:10 EDT
Received: from kf5mg.ampr.org by dfwgate.ampr.org (JNOS1.07b+) with SMTP
        id AA8158 ; Fri, 08 Oct 93 07:09:55 CST
Date: Fri, 08 Oct 93 07:44:44 GMT
Message-Id: <67086@kf5mg.ampr.org>
From: kf5mg@kf5mg.ampr.org
To: kf5mg@vnet.ibm.com
Subject: re: public apology

----- Forwarded message -----
>From n7xbm%n5vgc@kf5mg.ampr.org Sun Oct 03 08:46:04 1993
Received: from kf5mg.ampr.org by kf5mg.ampr.org (JNOS-107B+) with SMTP
        id AA65959 ; Sun, 03 Oct 93 08:45:58 GMT
X-Forwarded-To: N5VGC
Date: 26 Sep 93 22:27:00 UTC
Message-Id: <9414_n7wvz@kf5mg.ampr.org>
From: n7xbm@n7wvz.#nenev.nv.usa.na
To: all@allus
Subject: PUBLIC APPOLOGY
X-BBS-Msg-Type: B
X-BBS-Bid: $9414_n7wvz

------------------- End of SMTP HEADERS ----------------------------

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Date: Sun, 10 Oct 1993 01:43:24 GMT
From: swrinde!menudo.uh.edu!uuneo!sugar!sfarlow@network.ucsd.edu
Subject: Public Apology
To: ham-digital@ucsd.edu

WHOA !!! Just a minute!. Amateur radio is a HOBBY and is VOLUNTEER !!
If a ham chooses to have a PBBS, he has every prerogative to censor
whatever he chooses. I wouldn't blame this sysop if he shut down his
PBBS.

73 de N5PBD

Date: 8 Oct 93 14:21:31 EDT
From: psinntp!arrl.org@uunet.uu.net
Subject: Public apology message
To: ham-digital@ucsd.edu

In rec.radio.amateur.digital.misc, sbrown@charon.dseg.ti.com (Steve Brown) writes:
>In article <MARK.487.2CB48F52@ardsley.business.uwo.ca>
>MARK@ardsley.business.uwo.ca (Mark_Bramwell) writes, commenting on
>a posting from Jack, kf5mg:
>
>> In this case, the person is whining because the pbbs operator was unwilling
>> to have detailed information on how to perform an illegal act on his machine.
>
>I thought I remembered something in Part 97 (U.S. Radio Law) to the
>effect that it was illegal for an amateur radio operator to engage in
>communications which supported illegal activities, however, I searched
>through my on-line copy of Part 97 this morning and couldn't find it.

   97.113(d) No station shall transmit... messages for any purpose, or in
   connection with any activity, that is contrary to federal, state or
   local law...

So, next time you're on the repeater telling someone how to hook up a
scanner in their car, make sure it's not illegal to have a mobile scanner
in your town. :-(

Jon Bloom, KE3Z | jbloom@arrl.org
American Radio Relay League |
225 Main St., Newington CT 06111 |

Date: 6 Oct 93 00:15:27 GMT
From: news.crd.ge.com!rpi!usc!howland.reston.ans.net!darwin.sura.net!
news.Vanderbilt.Edu!news@cs.rochester.edu
Subject: Talking modem comm. program?
To: ham-digital@ucsd.edu

I am getting into packet radio and would like to locate a comm program for

the PC that speaks the text that is printed to the screen. This would
come in very handy for monitoring packet while working at other
applications on the PC. I know there is a program like this for the
Amiga, but I have not seen one for the PC. Something that uses a
sound board would be especially nice.

Please e-mail...

Thanks...Win
heagyws@ctrvax.vanderbilt.edu

End of Ham-Digital Digest V93 #69
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